

Title (en)
SPECTACLE LENS

Title (de)
BRILLEGLAS

Title (fr)
LENTILLE DE LUNETTES

Publication
EP 4318092 A1 20240207 (EN)

Application
EP 22781228 A 20220331

Priority
• JP 2021061557 A 20210331
• JP 2022016492 W 20220331

Abstract (en)
Provided is a spectacle lens having antifogging properties, excellent light resistance, and little change in color, the spectacle lens including: a substrate; and a water-absorbent antifogging layer provided as an outermost layer on the substrate, wherein the water-absorbent antifogging layer contains an ultraviolet absorber, and the water-absorbent antifogging layer has spectral characteristics in which a light transmittance at least at 350 to 370 nm is less than 5%, and a wavelength at which the light transmittance is 5% or more is 370 nm or more.

IPC 8 full level
G02C 7/00 (2006.01); **C09K 3/18** (2006.01); **G02B 1/18** (2015.01); **G02B 5/22** (2006.01)

CPC (source: EP KR US)
C08F 220/20 (2013.01 - KR); **C08F 220/283** (2020.02 - KR); **C08F 220/56** (2013.01 - KR); **C08F 222/1061** (2020.02 - EP);
C08F 230/085 (2020.02 - KR); **C08G 18/4063** (2013.01 - EP KR); **C08G 18/4277** (2013.01 - KR); **C08G 18/6229** (2013.01 - EP KR);
C08G 18/73 (2013.01 - EP); **C08G 18/7831** (2013.01 - EP); **C08K 5/07** (2013.01 - KR); **C08K 5/3475** (2013.01 - KR); **C09D 5/00** (2013.01 - EP);
C09D 5/32 (2013.01 - US); **C09D 7/48** (2018.01 - EP); **C09D 7/61** (2018.01 - KR); **C09D 7/63** (2018.01 - US); **C09D 175/04** (2013.01 - KR);
C09D 175/06 (2013.01 - EP US); **G02B 1/14** (2015.01 - EP); **G02B 1/18** (2015.01 - EP); **G02B 5/208** (2013.01 - EP); **G02B 5/22** (2013.01 - EP);
G02B 5/223 (2013.01 - EP); **G02C 7/02** (2013.01 - EP); **G02C 7/022** (2013.01 - KR); **G02C 7/10** (2013.01 - EP); **G02C 7/108** (2013.01 - US);
G02C 11/08 (2013.01 - EP US); **C08K 5/005** (2013.01 - EP); **C08K 5/132** (2013.01 - EP); **C08K 5/3475** (2013.01 - EP);
G02B 1/041 (2013.01 - US); **G02C 2202/16** (2013.01 - US)

C-Set (source: EP)
C08F 222/1061 + C08F 220/14 + C08F 220/54 + C08F 220/20 + C08F 230/08

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4318092 A1 20240207; CN 117083560 A 20231117; JP 7499404 B2 20240613; JP WO2022211018 A1 20221006;
KR 20230153420 A 20231106; US 2024174872 A1 20240530; WO 2022211018 A1 20221006

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EP 22781228 A 20220331; CN 202280025135 A 20220331; JP 2022016492 W 20220331; JP 2023511700 A 20220331;
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